

Determine which choice best shows the associative property of multiplication.

Answers

- 1) A.  $0 \times 9 = 9 \times 0$   
 B.  $0 \times (9 + 10) = (0 \times 9) + (0 \times 10)$   
 C.  $1 \times 0 = 0$   
 D.  $0 \times (9 \times 10) = (0 \times 9) \times 10$

- 2) A.  $1 \times 4 = 4$   
 B.  $4 \times (5 + 9) = (4 \times 5) + (4 \times 9)$   
 C.  $4 \times (5 \times 9) = (4 \times 5) \times 9$   
 D.  $4 \times 5 = 5 \times 4$

- 3) A.  $1 \times 3 = 3$   
 B.  $3 \times 1 = 1 \times 3$   
 C.  $3 \times (1 \times 9) = (3 \times 1) \times 9$   
 D.  $3 \times (1 + 9) = (3 \times 1) + (3 \times 9)$

- 4) A.  $8 \times 4 = 4 \times 8$   
 B.  $1 \times 8 = 8$   
 C.  $8 \times (4 + 0) = (8 \times 4) + (8 \times 0)$   
 D.  $8 \times (4 \times 0) = (8 \times 4) \times 0$

- 5) A.  $(9 \times 2) \times 10 = 9 \times (2 \times 10)$   
 B.  $(9 \times 2) + (9 \times 10) = 9 \times (2 + 10)$   
 C.  $9 \times 1 = 9$   
 D.  $9 \times 2 = 2 \times 9$

- 6) A.  $(1 \times 4) + (1 \times 7) = 1 \times (4 + 7)$   
 B.  $1 \times 4 = 4 \times 1$   
 C.  $1 \times 1 = 1$   
 D.  $(1 \times 4) \times 7 = 1 \times (4 \times 7)$

- 7) A.  $10 \times 1 = 10$   
 B.  $(10 \times 8) \times 0 = 10 \times (8 \times 0)$   
 C.  $(10 \times 8) + (10 \times 0) = 10 \times (8 + 0)$   
 D.  $10 \times 8 = 8 \times 10$

- 8) A.  $2 \times 7 = 7 \times 2$   
 B.  $(2 \times 7) + (2 \times 6) = 2 \times (7 + 6)$   
 C.  $(2 \times 7) \times 6 = 2 \times (7 \times 6)$   
 D.  $2 \times 1 = 2$

- 9) A.  $10 \times 5 = 5 \times 10$   
 B.  $1 \times 10 = 10$   
 C.  $10 \times (5 \times 1) = (10 \times 5) \times 1$   
 D.  $10 \times (5 + 1) = (10 \times 5) + (10 \times 1)$

- 10) A.  $(9 \times 0) + (9 \times 7) = 9 \times (0 + 7)$   
 B.  $9 \times 0 = 0 \times 9$   
 C.  $9 \times 1 = 9$   
 D.  $(9 \times 0) \times 7 = 9 \times (0 \times 7)$

- 11) A.  $8 \times 2 = 2 \times 8$   
 B.  $8 \times (2 \times 0) = (8 \times 2) \times 0$   
 C.  $1 \times 8 = 8$   
 D.  $8 \times (2 + 0) = (8 \times 2) + (8 \times 0)$

- 12) A.  $2 \times (10 + 7) = (2 \times 10) + (2 \times 7)$   
 B.  $1 \times 2 = 2$   
 C.  $2 \times (10 \times 7) = (2 \times 10) \times 7$   
 D.  $2 \times 10 = 10 \times 2$

1. \_\_\_\_\_

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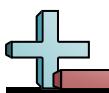
8. \_\_\_\_\_

9. \_\_\_\_\_

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11. \_\_\_\_\_

12. \_\_\_\_\_

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 D.  $2 \times 10 = 10 \times 2$

**Answers**1. **D**2. **C**3. **C**4. **D**5. **A**6. **D**7. **B**8. **C**9. **C**10. **D**11. **B**12. **C**